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     (FILE 'HOME' ENTERED AT 16:58:22 ON 30 JUL 2003)

     FILE 'CAPLUS' ENTERED AT 16:58:37 ON 30 JUL 2003
L1             0 S PASCUAL GRACIA/AU
L2             0 S JESUS SIERRA/AU
L3             0 S SIERRA, JESUS/AU
L4             0 S GRACIA, PASCUAL/AU
L5             0 S DE PACO, MIGUEL/AU
L6            83 S GARCIA, BEGONA/AU
L7             7 S L6 AND PY>2001

     FILE 'REGISTRY' ENTERED AT 17:09:16 ON 30 JUL 2003
L8               STRUCTURE UPLOADED

=> d l8
L8 HAS NO ANSWERS
L8               STR
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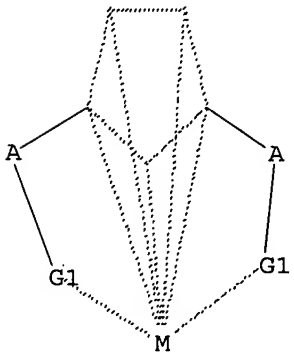


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G1 O,S,N,P,B


Structure attributes must be viewed using STN Express query preparation.


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SAMPLE SEARCH INITIATED 17:10:04 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  15457 TO ITERATE

  6.5% PROCESSED    1000 ITERATIONS                                0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       301702 TO   316578
PROJECTED ANSWERS:               0 TO        0

L9             0 SEA SSS SAM L8

=> s l8 full
FULL SEARCH INITIATED 17:10:12 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 307924 TO ITERATE

100.0% PROCESSED  307924 ITERATIONS                               7 ANSWERS
SEARCH TIME: 00.00.03

L10            7 SEA SSS FUL L8

=> fil caplus
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FILE COVERS 1907 - 30 Jul 2003 VOL 139 ISS 5
FILE LAST UPDATED: 29 Jul 2003 (20030729/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

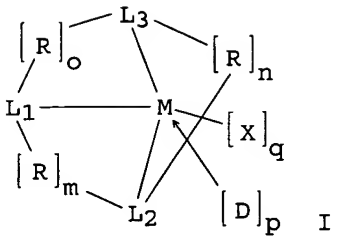
=> s l10
L11 2 L10

=> d 1-2 bib abs

L11 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:553092 CAPLUS
DN 137:94191
TI Organometallic catalysts for polymerization of olefins
IN Royo Gracia, Pascual; Cano Sierra, Jesus; Flores De Paco, Miguel Angel; Pena Garcia, Begona
PA Repsol Quimica S.A., Spain
SO Eur. Pat. Appl., 40 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1225179	A1	20020724	EP 2001-500020	20010118
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	NO 2002000251	A	20020719	NO 2002-251	20020117
	US 2002115560	A1	20020822	US 2002-52476	20020118
	JP 2002308924	A2	20021023	JP 2002-10510	20020118
PRAI	EP 2001-500020	A	20010118		

OS MARPAT 137:94191
GI



I

AB The invention concerns olefin polymn. catalyst component comprising an organometallic compd. I wherein: M is a transition metal of groups 3, 4-10, lanthanide or actinide; each R is independently a structural bridge rigidly connecting two ligands L1, L2 and L3 and is constituted by 1 to 4 chain atoms selected from carbon, silicon, germanium, oxygen, boron; m, n and o are 0 or 1, with the proviso that m+n+o is 2 or 3. L1 is a ligand of the cyclopentadienyl type or is isolobal to cyclopentadienyl, L2 is a ligand of the cyclopentadienyl type or is isolobal to cyclopentadienyl, or a monovalent anionic ligand selected from the group consisting of N, P, B when m+n = 2, it is selected from the group consisting of NR1, PR1, BR1, O and S when m+n = 1; L3 is a monovalent anionic ligand selected from the group consisting of N, P, B when n+o = 2, it is selected from the group consisting of NR1, PR1, BR1, O and S when n+o = 1; R1 is hydrogen, C1-C20 alkyl, C3-C20 cycloalkyl, C6-C20 aryl, C3-C20 alkenyl, optionally comprising 1 to 5 heteroatoms such as Si, N, P, O, F, Cl, Br; each X is independently selected from the group consisting of hydrogen, halogen, NR22, R2 with R2 equal to C1-C20 alkyl, C1-C20 alkyl, C3-C20 cycloalkyl, C6-C20 aryl, C3-C20 alkenyl, optionally comprising 1 to 5 heteroatoms such as Si, N, P, O, F, Cl, Br; q is a no. whose value is: 0, 1, 2 or 3, depending on the valence of the metal M; D is a neutral Lewis base, p is a no. whose value is: 0, 1, 2 or 3. The invention also concerns catalysts comprising I and the polymn. process making use of a catalyst comprising the claimed compds. Ethylene was polymd. using [Zr{.eta.5-C5H3-1,3-[SiMe2(.eta.1-N-tert-Bu)]2}(CH2Ph)] and MAO.

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2001:516805 CAPLUS
DN 135:242303
TI A new type of doubly silylamido-bridged cyclopentadienyl Group 4 metal complexes
AU Cano, Jesus; Royo, Pascual; Lanfranchi, Maurizio; Pellinghelli, Maria Angela; Tiripicchio, Antonio
CS Departamento de Quimica Inorganica Facultad de Ciencias, Universidad de Alcala, Alcala de Henares, 28871, Spain
SO Angewandte Chemie, International Edition (2001), 40(13), 2495-2497
CODEN: ACIEF5; ISSN: 1433-7851
PB Wiley-VCH Verlag GmbH
DT Journal
LA English
OS CASREACT 135:242303
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Reaction of 1,1-(SiMe2Cl)2C5H4 with LiNHtBu in THF gave di(amidosilyl)cyclopentadiene which on treatment with [Zr(NMe2)4] or M(CH2Ph)4 (M = Zr, Ti) gave silylamido-bridged cyclopentadienyl metal complexes (M = Zr, X = NMe2, CH2Ph; M = Ti, X = CH2Ph). Thermolysis of I

gave doubly silylamido-bridged cyclopentadienyl metal complexes II. Reaction of II (M = Ti, Zr, X = CH2Ph) with B(C6F5)4 gave cationic complexes III. III (M = Zr) catalyze ethylene whereas II (M = Zr, X = CH2Ph) catalyze copolymn. ethylene with 1-hexene in presence of methylaluminoxane. The crystal structure of III (M = Ti) was detd.

RE.CNT 62 THERE ARE 62 CITED REFERENCES AVAILABLE FOR THIS RECORD
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FILE COVERS 1907 - 30 Jul 2003 VOL 139 ISS 5
FILE LAST UPDATED: 29 Jul 2003 (20030729/ED)

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=> s Pascual Gracia/au
L1            0 PASCUAL GRACIA/AU

=> s Jesus Sierra/au
L2            0 JESUS SIERRA/AU

=> s Sierra, Jesus/au
L3            0 SIERRA, JESUS/AU

=> s Gracia, Pascual/au
L4            0 GRACIA, PASCUAL/AU

=> s De Paco, Miguel/au
L5            0 DE PACO, MIGUEL/AU

=> s Garcia, Begona/au
L6           83 GARCIA, BEGONA/AU

=> s l6 and py>2001
       1599236 PY>2001
L7            7 L6 AND PY>2001

=> d 1-7 bib abs

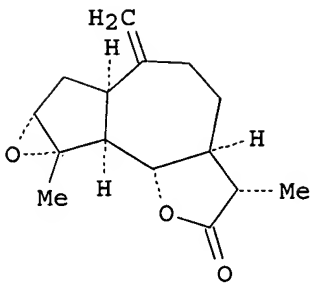
L7   ANSWER 1 OF 7  CAPLUS  COPYRIGHT 2003 ACS on STN
AN   2003:8370  CAPLUS
DN   138:92135
TI   Thermophysical Behavior and Temperature Effect on the N-Methylpyrrolidone
     + (C1-C10) Alkan-1-ols Mixed Solvents
AU   Garcia, Begona; Alcalde, Rafael; Aparicio, Santiago; Leal, Jose
     M.; Trenzado, Jose L.
CS   Laboratorio de Quimica Fisica Facultad de Ciencias, Universidad de Burgos,
     Burgos, 09001, Spain
SO   Industrial & Engineering Chemistry Research (2003), 42(4),
     920-928
     CODEN: IECRED; ISSN: 0888-5885
PB   American Chemical Society
DT   Journal
LA   English
AB   Densities and dynamic viscosities of the N-methylpyrrolidone/(C1-C10)
```

alkan-1-ols mixed solvents were measured at atm. pressure and 293.15, 303.15, 313.15, and 323.15 K over the whole compn. range. The excess and mixing properties deduced from these data were interpreted in terms of intermol. interactions and structural effects. The Soave-Redlich-Kwong and Peng-Robinson cubic equations of state and the modified extended real assocd. soln. (ERAS) and the Prigogine-Flory-Patterson (PFP) models were used to correlate the excess molar volumes. Several correlation viscosity models were also used in data redn.

RE.CNT 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:866468 CAPLUS
DN 138:79192
TI Volumetric properties, viscosities and refractive indices of binary mixed solvents containing methyl benzoate
AU **Garcia, Begona**; Alcalde, Rafael; Aparicio, Santiago; Leal, Jose M.
CS Departamento de Quimica, Laboratorio de Quimica Fisica, Universidad de Burgos, Burgos, 09001, Spain
SO Physical Chemistry Chemical Physics (**2002**), 4(23), 5833-5840
CODEN: PPCPFQ; ISSN: 1463-9076
PB Royal Society of Chemistry
DT Journal
LA English
AB Densities, dynamic viscosities, and refractive indexes of the binary mixed solvents of methylbenzoate with a set of eleven org. solvents provided with six carbon atoms but different structure and functional groups were measured over the whole compn. range. Thermodn., transport, soly., and polarity were analyzed for all systems; from the exptl. quantities, excess and mixing properties were deduced and interpreted in terms of intermol. interactions and structural changes upon mixing. Mixing viscosities and excess Gibbs energies of activation for viscous flow support the role played by the size of the cosolvent on the mixt. behavior. Anal. in terms of solvent soly. parameters was in convincing good agreement with exptl. results. The Soave and Peng-Robinson equations of state and the Wong-Sandler mixing rule are used to correlate volumetric properties. The predictive ability of several one-parameter and two-parameter viscosity models was also tested.
RE.CNT 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:699509 CAPLUS
DN 137:353186
TI Stereoselective Synthesis of (+)-11.beta.H,13-Dihydroestafiatin, (+)-11.beta.H,13-Dihydroludartin, (-)-Compressanolide, and (-)-11.beta.H,13-Dihydromicheliolide from Santonin
AU Bargues, Victoria; Blay, Gonzalo; Cardona, Luz; **Garcia, Begona**; Pedro, Jose R.
CS Departamento de Quimica Organica, Facultad de Quimica, Universitat de Valencia, Valencia, E-46100, Spain
SO Journal of Natural Products (**2002**), 65(11), 1703-1706
CODEN: JNPRDF; ISSN: 0163-3864
PB American Chemical Society
DT Journal
LA English
GI



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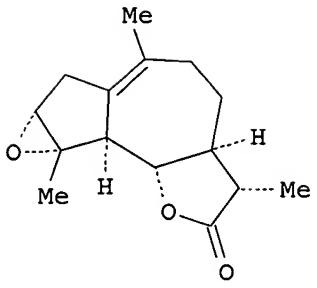


II

AB Starting from previously prepd. lactones obtained from santonin, we have synthesized natural guaianolides, e.g. I and II. Chemoselective epoxidns. gave (+)-11.beta.H,13-dihydroestafiatin I, and epoxidn. followed by regioselective elimination of the hydroxyl group afforded (+)-11.beta.H,13-dihydroludartin II. Sharpless' mild regioselective ring-opening of I and II followed by hydrogenolysis yielded (-)-compressanolide and (-)-11.beta.H,13-dihydromicheliolide, resp.

RE.CNT 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

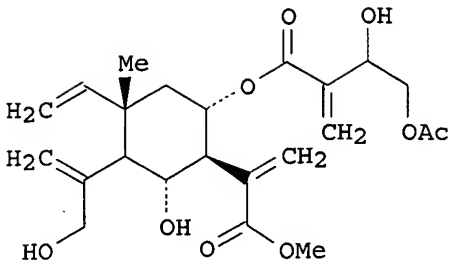
L7 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:516847 CAPLUS
DN 137:203215
TI Thermophysical Behavior of Methylbenzoate + n-Alkanes Mixed Solvents. Application of Cubic Equations of State and Viscosity Models
AU **Garcia, Begona**; Alcalde, Rafael; Aparicio, Santiago; Leal, Jose M.
CS Departamento de Quimica, Facultad de Ciencias, Universidad de Burgos, Burgos, 09001, Spain
SO Industrial & Engineering Chemistry Research (**2002**), 41(17), 4399-4408
CODEN: IECRED; ISSN: 0888-5885
PB American Chemical Society
DT Journal
LA English
AB As part of a study on the interactions between arom. esters and n-alkanes, d., viscosity, and refractive index data were measured for methylbenzoate-n-alkane mixed solvents. From these data, excess molar volumes, mixing viscosities, excess Gibbs energies of activation of viscous flow, and mixing refractive indexes were deduced. From the excess vols., the partial molar volumes of the two components were deduced by using the intercept method. The cubic equations of state (EOS) proposed by Soave-Redlich-Kwong and Peng-Robinson combined with two simple mixing rules were used to process the excess molar volumes. The change with temp. of the d. and viscosity measurements enabled the activation enthalpy, activation entropy, Gibbs free energy, and thermal expansion coeffs. to be detd. These results were interpreted in terms of intermol. interactions and structural effects. The ability of different one-parameter and two-parameter empirical models to predict mixing viscosities was also tested.

RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:231299 CAPLUS
DN 136:398444
TI Genetic analysis of Salmonella enteritidis biofilm formation: Critical role of cellulose
AU Solano, Cristina; **Garcia, Begona**; Valle, Jaione; Berasain, Carmen; Ghigo, Jean-Marc; Gamazo, Carlos; Lasa, Inigo
CS Instituto de Agrobiotecnologia y Recursos Naturales and Departamento de

Produccion Agraria, Universidad Publica de Navarra-Consejo Superior de Investigaciones Cientificas, Pamplona, 31006, Spain
SO Molecular Microbiology (**2002**), 43(3), 793-808
CODEN: MOMIEE; ISSN: 0950-382X
PB Blackwell Publishing Ltd.
DT Journal
LA English
AB The authors report here a new screening method based on the fluorescence of colonies on calcofluor agar plates to identify transposon insertion mutants of Salmonella enteritidis that are defective in biofilm development. The results not only confirmed the requirement of genes already described for the modulation of multicellular behavior in Salmonella typhimurium and other species, but also revealed new aspects of the biofilm formation process, such as two new genetic elements, named as bcsABZC and bcsEFG operons, required for the synthesis of an exopolysaccharide, digestible with cellulase. Non-polar mutations of bcsC and bcsE genes and complementation expts. demonstrated that both operons are responsible for cellulose biosynthesis in both S. enteritidis and S. typhimurium. Using two different growth media, ATM and LB, the authors showed that the biofilm produced by S. enteritidis is made of different constituents, suggesting that biofilm compn. and regulation depends on environmental conditions. Bacterial adherence and invasion assays of eukaryotic cells and in vivo virulence studies of cellulose-deficient mutants indicated that the prodn. of cellulose is not involved in the virulence of S. enteritidis. However, cellulose-deficient mutants were more sensitive to chlorine treatments, suggesting that cellulose prodn. and biofilm formation may be an important factor for the survival of S. enteritidis on surface environments.
RE.CNT 56 THERE ARE 56 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:209768 CAPLUS
DN 136:366439
TI Secondary metabolites from Centaurea deusta with antimicrobial activity
AU Karioti, Anastasia; Skaltsa, Helen; Lazari, Diamanto; Sokovic, Marina; **Garcia, Begona**; Harvala, Catherine
CS Department of Pharmacognosy, School of Pharmacy, University of Athens, Athens, GR-157 71, Greece
SO Zeitschrift fuer Naturforschung, C: Journal of Biosciences (**2002**), 57(1/2), 75-80
CODEN: ZNCBDA; ISSN: 0939-5075
PB Verlag der Zeitschrift fuer Naturforschung
DT Journal
LA English
GI



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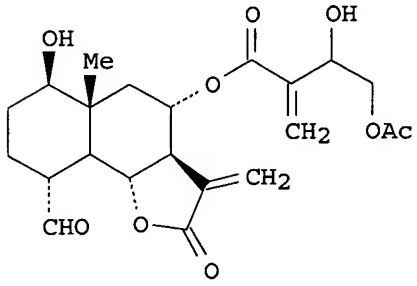

II

AB The aerial parts of Centaurea deusta Ten. afforded in addn. to several known compds., mainly sesquiterpene lactones, one new eudesmanolide and one new elemane deriv. (I and II, resp.). Structures of the new compds. were elucidated by spectroscopic methods. The in vitro antifungal and antibacterial activities of the isolated compds. was tested, using the micro-diln. method. All compds. tested showed high antifungal activity.

RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:197658 CAPLUS
DN 136:346475
TI The N-methylpyrrolidone-(C1-C10) alkan-1-ols solvent systems
AU **Garcia, Begona**; Alcalde, Rafael; Aparicio, Santiago; Leal, Jose M.
CS Departamento de Quimica, Facultad de Ciencias, Universidad de Burgos, Burgos, 09001, Spain
SO Physical Chemistry Chemical Physics (**2002**), 4(7), 1170-1177
CODEN: PPCPFQ; ISSN: 1463-9076
PB Royal Society of Chemistry
DT Journal
LA English
AB Densities, viscosities and refractive indexes of the N-methylpyrrolidone + alkan-1-ols (C1-C10) binary systems at 298.15 K and atm. pressure have been measured over the whole compn. range; from these measurements the values for excess molar volumes, mixing viscosities, internal pressures, and excess Gibbs energies of activation for viscous flow were calcd. The mol. interactions in these mixts. can be interpreted on the basis of the variation of the excess and mixing functions with the mixt. compn. The cubic equations of state proposed by Soave and Peng-Robinson were used to process the data on excess molar volumes and partial molar volumes using two different mixing rules. Several semiempirical methods for predicting viscosities of liq. mixts. were applied with good results; the ability of the models proposed by Cao (GC-UNIMOD) and Wu to predict viscosity data was also tested.

RE.CNT 64 THERE ARE 64 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT